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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION, NO.	
09/701,989		01/29/2001	Alexandros Makriyannis	UCON/150/PC/	1360	
2543	7590	01/26/2004		EXAMINER		
		RISTAS LLP	OSTRUP, CLINTON T			
750 MAI SUITE I		ET	ART UNIT	PAPER NUMBER		
HARTFO	ORD, CT	06103	1614	12		
				DATE MAILED: 01/26/2004	, (>	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Anningtion		Applicant(a)					
		Application	Application No.		Applicant(s)				
	Office Assistant Communication	09/701,989	09/701,989 MAKRIYANNIS ET AL.		ΓAL.				
	Office Action Summary	Examiner		Art Unit					
		Clinton Ostru	<u> </u>	1614					
Period fe	The MAILING DATE of this communication Reply	on appears on the co	over sheet with the c	orrespondence ad	dress				
THE - Exte after - If the - If NO - Faile - Any	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT misions of time may be available under the provisions of 37 (SIX (6) MONTHS from the mailing date of this communicate period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no event, ion. s, a reply within the statutory period will apply and will exy statute, cause the applicati	however, may a reply be tim minimum of thirty (30) day pire SIX (6) MONTHS from ion to become ABANDONE	nely filed s will be considered timely the mailing date of this co	y. ommunication.				
1)⊠	Responsive to communication(s) filed on	<u>10/08/03</u> .							
2a)⊠	This action is FINAL . 2b)	This action is FINAL . 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4)🖂	4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.								
	4a) Of the above claim(s) <u>8-14</u> is/are withdrawn from consideration.								
5)	Claim(s) is/are allowed.								
6)⊠	Claim(s) 1-7 is/are rejected.								
7)	Claim(s) is/are objected to.								
8)⊠	Claim(s) <u>1-14</u> are subject to restriction and/or election requirement.								
Applicat	ion Papers								
9)[The specification is objected to by the Exa	aminer.							
10)⊠	The drawing(s) filed on 29 January 2001 i	is/are: a)⊠ accepto	ed or b)□ objected	to by the Examine	er.				
	Applicant may not request that any objection	to the drawing(s) be h	eld in abeyance. See	37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. §§ 119 and 120									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 									
14) 🗌 🗡	Acknowledgment is made of a claim for do	mestic priority unde	r 35 U.S.C. §§ 120	and/or 121 since					
reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.									
Attachmen									
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-94 nation Disclosure Statement(s) (PTO-1449) Paper N	18) 5)	Interview Summary Notice of Informal Pa	(PTO-413) Paper No(s atent Application (PTO	·) -152)				

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DETAILED ACTION

Claims 1-14 are pending in this application.

Priority

Priority to US Provisional Application Number 60/088,568 filed June 9, 1998 and

PCT/US99/12900, filed June 9, 1999 has been acknowledged.

Election/Restrictions

This application contains claims 8-14 drawn to an invention nonelected with

traverse in Paper No. 9, filed January 21, 2003. A complete reply to the final rejection

must include cancellation of nonelected claims or other appropriate action (37

CFR 1.144) See MPEP § 821.01.

Applicant is reminded that upon the cancellation of claims to a non-elected

invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one

or more of the currently named inventors is no longer an inventor of at least one claim

remaining in the application. Any amendment of inventorship must be accompanied by

a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claims 8-14 have been withdrawn from further consideration pursuant to 37 CFR

1.142(b), as being drawn to a nonelected invention, there being no allowable generic or

linking claim. Applicant timely traversed the restriction (election) requirement in Paper

No. 9, filed January 21, 2003.

Response to Applicant's Arguments/Amendment

Claim Rejections

New Matter Rejection - 35 USC § 112, First Paragraph

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Although claims 8-14 have been withdrawn from consideration, as being drawn to a non-elected invention, the examiner objected to claim 8 and rejected claims 8-14 as containing new matter, in the interest of compact prosecution. Applicant's amendment and arguments filed October 8, 2003, Paper No. 12, to the objection of claim 8 and rejection of claims 8-14 under 35 U.S.C. 112, first paragraph, have been fully considered and deemed persuasive. Therefore, the said objection and rejection have been withdrawn.

Double Patenting

Applicant's lack of argument in the amendment filed October 8, 2003, Paper No. 12, to the provisional obvious-type double patenting rejection of Claims 1-7 as being unpatentable over claims 1-8 and 12-19 of copending Application No. 09/328,742 has not made the rejection moot. Therefore the said rejection has been maintained. Applicants have not provided any argument as to why the instant claims 1-7 are not obvious over Application No. 09/328,742; therefore, the said rejection has been MAINTAINED.

Although Applicants may hold their response to this rejection in abeyance until allowable subject matter has been indicated, all reasonable rejections are made.

Claim Rejections - 35 USC § 102

Applicant's amendment and arguments filed October 8, 2003, Paper No. 12, to the rejection of claims 1, 3, 5-7 under 35 U.S.C. 102(a) as being anticipated by Calignano et al., Potentiation of Anandamide Hypotension by the Transport Inhibitor, AM404, European Journal of Pharmacology, Oct 15, 1997, 337 (1) R1-2 have been fully

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considered and deemed persuasive, based on Applicant's amendment, specifically excluding the compound disclosed by Calignano et al; therefore, the said rejection has been withdrawn.

Applicant's amendment and arguments filed October 8, 2003, Paper No. 12, to the rejection of claims 1, 3, and 5-7 under 35 U.S.C. 102(a) as being anticipated by Beltramo et al., Functional Role of High-Affinity Anandamide Transport, as Revealed by Selective Inhibition, Science, August 22, 1997, 227 (5329) 1094-7 have been fully considered and deemed persuasive, based on Applicant's amendment, specifically excluding the compound disclosed by Beltramo et al; therefore, the said rejection has been withdrawn.

MAINTAINED CLAIM REJECTIONS

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double

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patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-7 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-8 and 12-19 of copending Application No. 09/328,742. Although the conflicting claims are not identical, they are not patentably distinct from each other because they are both drawn to compounds and methods of inhibiting the transport of anandamide in an individual or animal by administration of said compounds to said individual or animal. The compounds and methods of administering said compounds overlap one another in the conflicting claims and/or are obvious variants of one another.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

NEW CLAIM REJECTIONS

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

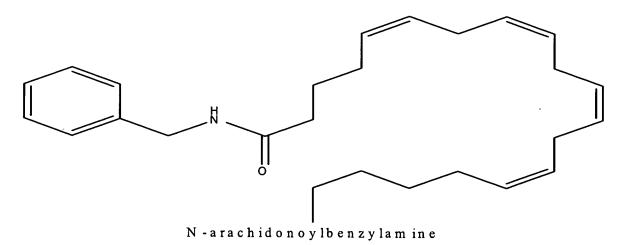
A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

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Claims 1, 3, and 5-6 are rejected under 35 U.S.C. 102(a) as being anticipated by Hillard et al., Accumulation of N-Arachidonoylethanolamine (Anandamide) into Cerebellar Granule Cells Occurs via Facilitated Diffusion. Journal of Neurochemistry, August 1997. See: abstract; page 634, col. 1, Table 1; and page 637, col. 1, first full paragraph.

Hillard et al., teach N-arachidonoylbenzylamine as competing for anandamide and that anandamide is accumulated by a protein mediated transport process that has characteristics of facilitated diffusion. N-arachidonoylbenzylamine has the following structure:



and meets the structure of instant claims 1, 3, and 5-6, when Y is (-C(O)-NH-); and Z is aryl.

Thus Hillard et al, clearly anticipate instant claims 1, 3, and 5-6.

Conclusion

Note: A method of inhibiting transport of anandamide in an individual or animal comprising administering to the individual or animal, in need thereof, a therapeutically effective amount of the elected compound on page 5, lines 6-7, in Paper No. 9, filed

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January 21, 2003, appears to be allowable over the prior art and a claim drawn to said method will be considered favorably.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clinton Ostrup whose telephone number is (703) 308-3627. The examiner can normally be reached on 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marianne Seidel can be reached on (703) 308-4725. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-4556.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1235.

Clinton Ostrup Examiner Art Unit 1614

Frederick Krass
Primary Examiner
Art Unit 1614